

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

### Listing of Claims:

1. (Currently amended) A wireless data output method for ~~rendering outputting~~ at one or more wireless output devices ~~data~~ digital content accessed from a wireless mobile information apparatus, ~~the wireless mobile information apparatus including an interface for interacting with a user, one or more application software for providing functionalities to the wireless mobile information apparatus, an output management software for output of digital content from the wireless mobile information apparatus to a wireless output device, and a wireless communication unit for wireless communication with the one or more wireless output devices and the wireless mobile information apparatus being in wireless communication with each other, the method comprising:~~

~~passing at the wireless mobile information apparatus at least part of digital content from the one or more application software to the output management software for wireless output;~~

~~establishing searching at the wireless mobile information apparatus with the wireless communication unit and over a radio frequency wireless communication channel directly between the wireless mobile information apparatus and the for one or more wireless output devices;~~

~~discovering at the wireless mobile information apparatus over the radio frequency wireless communication one or more wireless output devices;~~

~~receiving at the wireless mobile information apparatus over the radio frequency wireless communication channel one or more device dependent attributes corresponding to the one or more output devices;~~

~~selecting at the wireless mobile information apparatus a selected output device from among the one or more output devices discovered in the wireless search;~~

establishing a radio frequency wireless connection directly between the wireless mobile information apparatus and the selected output device for output of digital content directly from the wireless mobile information apparatus to the selected output device, the direct wireless connection not including an external server between the information apparatus and the selected output device;

receiving at the wireless mobile information apparatus over the radio frequency wireless communication connection information or components from the selected output device for generating output data, the information or components being necessary for generating at the wireless mobile information apparatus an accurate output data from the digital content for outputting at the selected output device;

generating at the wireless mobile information apparatus a device-dependent an accurate output data from the data digital content for rendering outputting at the selected output device, the device-dependent output being based using at least in partly on the one or more attributes information or components received over the wireless communication connection corresponding to the selected output device; and

delivering sending the device-dependent output data over the radio frequency wireless communication channel connection directly from the wireless mobile information apparatus to the selected output device for rendering outputting of the data content.

2. (Canceled)

3. (Currently amended) The method of claim 1 in which the data content resides in the wireless mobile information apparatus interface includes a touch-sensitive screen.

4. (Previously presented) The method of claim 1 further including obtaining the data content from a data source distinct from the wireless mobile information apparatus.

5. (Previously presented) The method of claim 1 further comprising obtaining authentication information from the wireless mobile information

apparatus and authenticating permission for the wireless mobile information apparatus to access the selected output device.

6. (Currently amended) The method of claim 1 further including obtaining from the wireless mobile information apparatus payment information to administer payment for the ~~rendering outputting~~ provided by the selected output device.

7. (Currently amended) The method of claim 1 further ~~including the wireless mobile information apparatus discovering the one or more output devices as being available to render data content comprising receiving over the interface from the user at least an indication related to outputting digital content from the wireless mobile information apparatus.~~

8. (Currently amended) The method of claim 7 1 in which discovering the one or more output devices includes the wireless mobile information apparatus broadcasting a discovery request and awaiting one or more responses from the one or more output devices.

9. (Currently amended) The method of claim 7 1 in which ~~discovering the one or more output devices includes the one or more output devices broadcasting its or their availability passing at least part of digital content from the one or more application software to the output management software includes one or more of exchanging or transferring objects, messages, instances, procedural calls, files, and metafiles.~~

10. (Canceled)

11. (Currently amended) The method of claim 7 1 in which the discovering of one or more output devices involves determining if the one or more output devices satisfy one or more output requirements.

12. (Previously presented) The method of claim 11 in which the one or more output requirements include one or more of price, quality of service, and availability.

13. (Canceled)

14. (Currently amended) The method of claim 1 ~~in which the attributes corresponding to the one or more output devices include information~~

~~characterizing the one or more output devices, further comprising receiving over the radio frequency wireless communication one or more device-dependent attributes related to the discovered output devices for selecting at the wireless mobile information apparatus a selected output device.~~

15. (Currently amended) The method of claim 14 in which the ~~information characterizing the one or more output devices~~ one or more device dependent attributes includes one or more of a make identifier, a model identifier, an output device type identifier, an output data format identifier, an output device identifier, security information, or authentication information, individually or in combination.

16. (Currently amended) The method of claim 1 in which ~~the attributes associated with corresponding to the one or more output devices include information characterizing output services provided by the one or more output devices, the one or more application software comprises one or more of an e-mail, a messaging, a voice communication, an internet browsing, an image acquisition, a text processing, and a document creation software application.~~

17. (Currently amended) The method of claim 16 14 in which the ~~information characterizing the output services~~ one or more device dependent attributes includes one or more of a quality of service indicator, an availability of service indicator and a service fee indicator.

18. (Original) The method of claim 1 in which the selecting of the one or more output devices includes input from a user.

19. (Previously presented) The method of claim 1 in which the selecting of the one or more output devices is based at least in part upon a predetermined default criterion that is stored in the wireless mobile information apparatus.

20. (Currently amended) The method of claim 1 ~~further including receiving at the wireless mobile information apparatus via the radio frequency wireless communication channel components enabling the data content to be rendered by the selected one or more output devices, in which the information or components related to the selected output device includes one or more of data, parameters, algorithm, objects, meta files individually or in combination.~~

21. (Previously presented) The method of claim 20 in which the components include software code or a software application.

22. (Canceled)

23. (Currently amended) The method of claim 20 in which the components correspond at least part of to one or more of a device driver, a printer driver, an output driver, an audio driver, a display driver, and a user interface, individually or in combination.

24. (Previously presented) The method of claim 1 in which the wireless mobile information apparatus includes a digital camera, an Internet-enabled cellular phone, a smart phone, an Internet appliance, or a personal computer.

25. (Previously presented) The method of claim 1 in which the one or more output devices include one or more of a printing device, a display device, a projection device, and an audio output device.

26. (Canceled)

27. (Canceled)

28. (Currently amended) The method of claim 1 in which generating device-dependent output data includes at least partial raster image processing of the data content.

29. (Currently amended) The method of claim 1 further including ~~delivering the device dependent output to an output controller associated with the selected output device. comprising installing and or executing at the wireless mobile information apparatus one or more components received over the wireless connection.~~

30. (Currently amended) The method of claim 1 29 in which the output controller is one of a server, an external controller and a data access point. further comprising driving at the wireless mobile information apparatus the output device employing at least in part the information or components received over the wireless connection.

31. (Currently amended) The method of claim 29 further including performing image processing on the device-dependent output data at the selected output device.

32. (Canceled)

33. (Currently amended) A wireless data output method for rendering outputting at a selected wireless output device data digital content accessed from a wireless mobile information apparatus, the wireless mobile information apparatus including at least a touch sensitive screen interface for interacting with a user and a wireless communication unit for wireless communication with the selected wireless output device and the wireless mobile information apparatus being in wireless communication with each other, the method comprising:

receiving over the interface from the user at least an indication related to output of digital content to the selected wireless output device;

establishing a radio frequency wireless communication channel connection directly between the wireless mobile information apparatus and the selected output device, the direct wireless connection not including an external server between the information apparatus and the selected output device;

receiving at the wireless mobile information apparatus and over the radio frequency wireless communication channel connection one or more components associated with from the selected output device, the one or more components including at least a device dependent attribute corresponding to the selected output device for conforming digital content to an output data, the one or more components being necessary for conforming at the wireless mobile information apparatus the digital content to an output data that is compatible with the selected output device;

conforming at the wireless mobile information apparatus the data digital content to device dependent an output data output that is compatible with the selected output device employing at least in part the one or more components; and

delivering the device dependent transmitting the output data from the wireless mobile information apparatus over the direct wireless connection to the selected output device for rendering output.

34. (Canceled)

35. (Currently amended) The method of claim 33 in which the data digital content resides in the wireless mobile information apparatus.

36. (Currently amended) The method of claim 33 further including obtaining the data digital content from a data source distinct from the wireless mobile information apparatus.

37. (Previously presented) The method of claim 33 further comprising obtaining authentication information from the wireless mobile information apparatus and authenticating permission for the wireless mobile information apparatus to access the selected output device.

38. (Currently amended) The method of claim 33 further including obtaining from the wireless mobile information apparatus payment information to administer payment for rendering outputting service provided at the selected output device.

39. (Previously presented) The method of claim 33 further including the wireless mobile information apparatus discovering the selected output device via radio wireless discovery.

40. (Previously presented) The method of claim 39 in which discovering the selected output device includes the wireless mobile information apparatus broadcasting a discovery request and awaiting a response from the selected output device.

41. (Previously presented) The method of claim 39 in which discovering the selected output device includes the selected output device broadcasting information about its availability and awaiting to be contacted by the wireless mobile information apparatus.

42. (Canceled)

43. (Previously presented) The method of claim 39 in which the discovering of the selected output device involves determining if the selected output device satisfies one or more of an output requirement, a service requirement, and a compatibility requirement, individually or in combination.

44. (Previously presented) The method of claim 43 in which the one or more requirements include one or more of price, quality of service, and availability.

45. (Previously presented) The method of claim 39 in which the wireless mobile information apparatus discovers the selected output device with wireless communication.

46. (Original) The method of claim 33 in which the one or more components is or are stored in the selected output device.

47. (Previously presented) The method of claim 33 in which the one or more components is or are stored in an output controller associated with the selected output device.

48. (Previously presented) The method of claim 33 in which the one or more components include at least part of a printer driver, an audio driver, a display driver, and a projection driver, independently or in combination.

49. (Previously presented) The method of claim 33 in which the one or more components include software code or a software application.

50. (Canceled)

51. (Previously presented) The method of claim 33 in which the one or more components include information relating to one or more of a projection device, a printer, a display device, an audio device, and a user interface, independently or in combination.

52. (Canceled)

53. (Currently amended) The method of claim 33 further including selecting at the wireless mobile information apparatus the selected output device from among plural output devices based on one or more selection criteria, comprising installing at wireless mobile information apparatus at least part of the one or more components received over the direct wireless connection.

54. (Currently amended) The method of claim 53 in which the one or more selection criteria are obtained from a user 33 further comprising executing at wireless mobile information apparatus at least part of the one or more

components received over the direct wireless connection for driving the output device over the direct wireless connection.

55. (Currently amended) The method of claim 53 in which the one or more selection criteria are automatically defined based on a predetermined default stored on the wireless mobile information apparatus. 54 further comprising driving the output device over the direct wireless connection.

56. (Original) The method of claim 33 in which conforming the data content includes performing raster image processing on the data content.

57. (Previously presented) The method of claim 33 further including performing raster image processing on the output data at the selected output device.

58. (Previously presented) The method of claim 33 further including converting the output data into a form compatible to one of an output engine, a display engine, an audio engine, a printer engine, an output controller, a display controller, and a printer controller, individually or in combination.

59. (Previously presented) The method of claim 33 in which the output data is further processed in an output controller associated with the selected output device before being delivered to the selected output device.

60. (Previously presented) The method of claim 33 in which the wireless mobile information apparatus includes one or more of a digital camera, an Internet-enabled cellular phone, a smart phone, an Internet appliance, and a personal computer.

61. (Previously presented) The method of claim 33 in which the output device includes one of a printing device, a display device, a projection device, and an audio output device.

62. (Original) The method of claim 33 in which the output data includes compressed data.

63. (Currently amended) In a computer-readable medium, data output software for rendering outputting digital content from a wireless mobile information to at one or more output devices over wireless communication data content accessed from a wireless mobile information apparatus, the one or more

~~output devices and the wireless mobile information apparatus being in wireless communication with each other, the medium comprising:~~

software for establishing searching over a radio frequency communication channel ~~directly between~~ at the wireless mobile information apparatus and the ~~for~~ one or more output devices;

software for receiving at the wireless mobile information apparatus over the radio frequency communication channel one or more device-dependent attributes corresponding to the one or more output devices;

software for selecting at the wireless mobile information apparatus a selected output device from the one or more output devices based at least partly on the one or more device dependent attribute received over the radio frequency communication channel;

software for establishing a radio frequency wireless connection directly between the wireless mobile information apparatus and the selected output device for output of digital content directly from the information apparatus to the selected output device, the direct wireless connection not including an external server between the information apparatus and the selected output device;

software for receiving at the wireless mobile information apparatus over the radio frequency wireless communication connection information or components from the selected output device, the information or component being necessary for generating at the wireless mobile information apparatus an accurate output data from the digital content for outputting at the selected output device;

software for generating at the wireless mobile information apparatus device-dependent an output data from the data digital content based at least in part on the information or component receiving over the radio frequency wireless communication connection one or more attributes corresponding to the selected output device; and

software for delivering sending the device-dependent output data over the radio frequency communication channel connection directly from the wireless mobile information apparatus to the selected output device for rendering output.

64. (Previously presented) The medium of claim 63 further including software for discovering one or more output devices via wireless discovery.

65. (Currently amended) In a computer-readable medium, data output software for ~~rendering outputting digital content from a wireless mobile information to at a selected output device over wireless communication data content accessed from a wireless mobile information apparatus, the selected output device and the wireless mobile information apparatus being in wireless communication with each other, the wireless mobile information apparatus including software application being one or more of an e-mail, a messaging, a voice communication, an internet browsing, an image acquisition, a text processing, and a document creation, individually or in combination, the medium comprising:~~

software for obtaining at the wireless mobile information apparatus at least part of a digital content from the one or more software application for output over wireless communication;

software for establishing a radio frequency wireless communication channel connection directly between the wireless mobile information apparatus and the selected output device, the direct wireless connection not including an external server between the information apparatus and the selected output device;

software for receiving at the wireless mobile information apparatus and over the radio wireless communication channel connection one or more components associated with the selected output device, the one or more components including an indication of an output data associated with the selected output device for conforming digital content to an output data, the one or more components being necessary for conforming at the wireless mobile information apparatus the digital content to an output data that is accurate for outputting at the selected output device;

software for conforming at the wireless mobile information apparatus the data digital content to an device-dependent output data associated with the

selected output device employing at least in part the one or more components received over the radio wireless communication connection; and

software for ~~transmitting the delivering the device dependent output data from the wireless mobile information apparatus to the selected output device over the radio wireless communication channel connection for rendering output.~~

66. (Currently amended) A wireless data output method for rendering outputting at one or more output devices associated with a selected output system data digital content accessed from a wireless mobile information apparatus to an output system, the output system including a wireless output controller and an output device, the wireless output controller for facilitating wireless communication, the wireless output controller being directly connected to the output device and dedicated for the output device, the wireless mobile information apparatus including one or more application software for providing functionalities to the wireless mobile information apparatus, an output management software to implement at least in part output of digital content from the wireless mobile information apparatus to the output system, and a wireless communication unit for wireless communication with the wireless output controller, the output system and the wireless mobile information apparatus being in wireless communication with each other, the method comprising:

passing at the wireless mobile information apparatus at least part of digital content from the one or more application software to the output management software for wireless output;

discovering the selected wireless output system controller via radio wireless discovery;

establishing a radio frequency communication channel connection directly between the wireless mobile information apparatus and the selected wireless output system controller, the direct wireless connection not including an external server between the information apparatus and the wireless output controller;

receiving at the mobile information apparatus over the radio frequency communication channel one or more attributes corresponding to the one or more output devices associated with the output system;

receiving at the wireless mobile information apparatus over the radio frequency wireless communication connection information or components related to the output system from the wireless output controller, the information or components being necessary for generating at the wireless mobile information apparatus an accurate output data from the digital content for output at the output system;

generating at the wireless mobile information apparatus device-dependent an accurate output data corresponding to the one or more output devices from the data digital content for output at the output system based at least in part on the information or components received over the radio frequency wireless communication connection one or more attributes; and

delivering sending over the direct wireless connection the device-dependent output data from the wireless mobile information apparatus to the wireless output controller for output at the selected output system for rendering.

67. (Canceled)

68. (Canceled)

69. (Currently amended) The method of claim 66 in which the selected output system includes a network passing at the wireless mobile information apparatus at least part of digital content from the one or more application software includes using one or more of an application programming interface (API), an object model or a component model.

70. (Currently amended) The method of claim 66 in which the selected output system includes at least one output device and at least one output controller, further comprising selecting at the wireless mobile information apparatus the output system;

71. (Currently amended) The method of claim 66 in which an output controller in the selected output system communicates with the wireless mobile information apparatus, passing at the wireless mobile information apparatus at least part of digital content from the one or more application software includes transferring or exchanging one or more objects, messages, procedural calls, files, metafiles, and instances, individually or in combination.

72. (Currently amended) The method of claim 71 in which ~~the output controller is associated with one or more output devices, the output devices being at least one of a display device, projection device, a printing device, and an audio device, individually or in combination.~~

73. (Currently amended) The method of claim 71 in which ~~the wireless output controller is one of a server, an external controller and a data access point, the wireless output controller being dedicated to the output device and connected directly to the output device.~~

74. (Currently amended) The method of claim 71 in which ~~the output controller receives the data content, further comprising receiving over an interface at the wireless mobile information apparatus from the user at least an indication related to output of digital content to the output system;~~

75. (Currently amended) The method of claim 74 in which ~~the wireless output controller performs raster image processing on the output data content.~~

76. (Currently amended) The method of claim 74 further including converting the ~~data digital~~ content into a form compatible to the ~~selected one or more~~ output devices.

77. (Currently amended) The method of claim 74 further comprising the ~~wireless~~ output controller delivering the data content to the ~~selected one or more~~ output devices.

78. (Currently amended) A ~~data output~~ method for ~~rendering driving~~ at an output device ~~associated with a selected output system~~ data content accessed from a wireless mobile information apparatus ~~over wireless communication, the wireless mobile information apparatus including an interface for interacting with a user, and a wireless communication unit for wireless communication with, the selected output device system and the wireless mobile information apparatus being in wireless communication with each other, the method comprising:~~

~~discovering at the wireless mobile information apparatus over the radio frequency wireless communication the output device;~~

~~establishing a radio frequency communication channel connection directly between the wireless mobile information apparatus and the selected output~~

system device, the direct wireless connection not including an external server between the information apparatus and the selected output device;

receiving at the mobile information apparatus over the radio frequency direct wireless communication channel connection one or more components from the selected output system device for driving the output device, the one or more components being necessary for driving at the wireless mobile information apparatus the output device including at least a device dependent attribute corresponding to the selected output system;

conforming at the wireless mobile information apparatus the data content to device dependent output employing at least in part the one or more components; and

delivering the device dependent output to the selected output system for rendering by the output device.

executing at the wireless mobile information apparatus at least part of the one or more components received over the direct wireless connection for driving the output device over the direct wireless connection; and

driving at the wireless mobile information apparatus the output device over the direct wireless connection.

79. (Canceled)

80. (Currently amended) The method of claim 78 in which the selected output system includes a network. further comprising installing at the wireless mobile information apparatus at least part of the one or more components received over the direct wireless connection.

81. (Currently amended) The method of claim 78 in which the selected output system includes at least one output device and at least one output controller. further comprising sending at the wireless mobile information apparatus over the direct wireless connection an output data related to the digital content for output at the output device.

82. (Currently amended) The method of claim 78 in which the output device includes an output controller associated with the selected output system communicates with the wireless mobile information apparatus.

83. (Currently amended) The method of claim 82 in which the output controller is one of a server, an external controller, an internal controller, and a data access point and the output controller being a wireless controller, dedicated to the output device, and connected directly to the output device..

84. (Currently amended) The method of claim 82 in which the output controller receives the device-dependent output data.

85. (Currently amended) The method of claim 82 in which the output controller performs raster image processing on the device-dependent output data.

86. (Currently amended) The method of claim 84 further including converting the device-dependent output data into a form compatible to the output devices.

87. (Currently amended) The method of claim 84 further comprising the output controller delivering the device-dependent output data to the output devices.

88. (Currently amended) The method of claim 78 in which the one or more components are stored in one or more the output controllers associated with the output devices.

89. (Original) The method of claim 78 in which the one or more components include at least part of a printer driver.

90. (Previously presented) The method of claim 78 in which the one or more components include software code or executable software.

91. (Cancelled)

92. (Currently amended) The method of claim 78 in which the one or more components relate to at least part of one or more of a device driver, a printer driver, an output driver, a display driver, an audio driver, a projection driver, and an user interface, individually or in combination.

93. (Currently amended) The method of claim 78 in which the one or more components include information characterizing an output service provided by the selected output system device.

94. (Canceled)

95. (Previously presented) The method of claim 78 in which the wireless mobile information apparatus includes one or more of a mobile computing device, a pervasive device, an Internet-enabled cellular phone, a smart phone, an Internet appliance, a digital camera, and a personal computer.

96. (Previously presented) The method of claim 78 in which the output device includes one or more of a printing device, a projection device, a display device, and an audio output device, individually or in combination.

97. (Previously presented) The method of claim 78 in which the radio frequency communication channel is compatible with a Bluetooth wireless protocol or a IEEE 802.11 protocol.

98. (Previously presented) The method of claim 1 in which the radio frequency wireless communication channel is compatible with a Bluetooth wireless protocol or a IEEE 802.11 protocol.

99. (Previously presented) The method of claim 33 in which the radio frequency wireless communication channel is compatible with a Bluetooth wireless protocol or a IEEE 802.11 protocol.

100. (Previously presented) The medium of claim 65 in which the radio frequency wireless communication channel is compatible with a Bluetooth wireless protocol or a IEEE 802.11 protocol.

101. (Currently amended) The medium of claim 65 further including software for discovering the ~~selected~~ output device via wireless discovery.

102. (Currently amended) A wireless mobile information apparatus for outputting ~~data digital content accessed from the wireless mobile information apparatus for rendering at to~~ one or more output devices ~~over wireless communication, the one or more output devices and the wireless mobile information apparatus being in wireless communication with each other, the wireless mobile apparatus comprising:~~

one or more application software;  
an interface for interacting with a user;  
a memory unit;  
a radio frequency wireless communication unit; and

a processing unit for operating the radio frequency wireless communication unit to establish a radio frequency communication channel directly between the wireless mobile information apparatus and the one or more output devices, the processing unit further being operable to execute software stored in the memory unit to:

~~receive at the wireless mobile information apparatus over the radio frequency communication channel one or more attributes corresponding to the one or more output devices interface from the user at least an indication for outputting digital content;~~

pass digital content from the one or more application software for output over the wireless communication unit;

~~select at the wireless mobile information apparatus a selected output device from the one or more output devices;~~

establish a radio frequency wireless connection directly between the wireless mobile information apparatus and an output device for output of the digital content directly from the wireless mobile information apparatus to the output device, the direct wireless connection not including an external server between the information apparatus and the output device;

receive over the direct wireless connection information or components from the output device, the information or components being necessary for to generate an accurate output data from the digital content for output at the output device;

~~generate an device-dependent output data from the data digital content based at least in part on the information or components received over the wireless connection one or more attributes relating to the selected output device, and~~

~~deliver transmit the device-dependent output data over the radio frequency communication channel directly from the wireless mobile information apparatus to the selected output device for rendering output.~~

103. (Previously presented) The apparatus of claim 102 in which the data content is stored in the memory unit of the wireless mobile information apparatus.

104. (Previously presented) The apparatus of claim 102 in which the radio frequency communication channel is compatible with a Bluetooth wireless protocol or an IEEE 802.11 protocol.

105. (Previously presented) The apparatus of claim 102 in which the processing unit is further operable to execute software stored in the memory unit to discover the one or more output devices via wireless discovery.

106. (Previously presented) The apparatus of claim 102 in which the wireless mobile information apparatus includes at least one of a digital camera, an Internet-enabled cellular phone, a smart phone, an Internet appliance, and a personal computer.

107. (Currently amended) The apparatus of claim 102 in which ~~the data content is a digital content and the~~ one or more output devices include at least one of a display device, a printing device, an audio output device, and a projection device.

108. (Currently amended) A wireless mobile information apparatus for ~~outputting data content accessed driving an output device from the wireless mobile information apparatus over wireless communication for rendering at a selected output device, the selected output device and the wireless mobile information apparatus being in wireless communication with each other, the wireless mobile apparatus comprising:~~

an interface for interacting with a user;

a memory unit;

a radio frequency wireless communication unit for establishing a radio frequency wireless communication channel directly between the wireless mobile information apparatus and the selected output device; and

a processing unit operable to execute software stored in the memory unit to:

establish a radio frequency communication connection directly between the wireless mobile information apparatus and an output device, the direct

wireless connection not including an external server between the information apparatus and the output device;

~~receive at the wireless mobile information apparatus and over the direct radio frequency wireless communication channel connection one or more components associated with the selected output device, the one or more components including at least a device dependent attribute corresponding the selected output device, for driving the output device, the one or more components being necessary for driving at the wireless mobile information apparatus the output device;~~

~~conform at the wireless mobile information apparatus the data content to a device dependent output associated with the selected output device employing at least in part the one or more components, and~~

~~deliver the device dependent output to the selected output device via the radio frequency wireless communication channel for rendering.~~

execute at least part of the one or more components received over the direct wireless connection for driving the output device over the direct wireless connection; and

drive the output device over the direct wireless connection.

109. (Previously presented) The apparatus of claim 108 in which the data content is stored in the memory unit of the wireless mobile information apparatus.

110. (Previously presented) The apparatus of claim 108 in which the radio frequency wireless communication channel is compatible with a Bluetooth wireless protocol or an IEEE 802.11 protocol.

111. (Previously presented) The apparatus of claim 108 in which the processing unit is further operable to execute software stored in the memory unit to discover the one or more output devices via wireless discovery.

112. (Previously presented) The apparatus of claim 108 in which the wireless mobile information apparatus includes at least one of a digital camera, an Internet-enabled cellular phone, a smart phone, an Internet appliance, and a personal computer.

113. (Currently amended) The apparatus of claim 108 in which the ~~data content is a digital content and the selected output device includes at least one of~~ a display device, a printing device, an audio output device, and a projection device.